

CLAIMS

I/We claim:

- [c1] 1. A light source used for an image capturing apparatus and a light-sensing device of said image capturing apparatus respectively senses a plurality of color regions, said light source comprising:
- a lighting source; and
- means for guiding a light from said lighting source to an object to capture an image, wherein after said light pass said light-guiding means, an intensity of one color region of said light is higher than that of other color regions.
- [c2] 2. The light source in claim 1, wherein a sensing capability of said light-sensing device in said color region is weaker than that in said other color regions.
- [c3] 3. The light source in claim 2, wherein said color region is a blue region.
- [c4] 4. The light source in claim 3, wherein a wavelength range of said blue region is 390nm to 500nm.
- [c5] 5. The light source in claim 1, wherein said lighting source is composed of a luminary and a blue filter.
- [c6] 6. The light source in claim 5, wherein said blue filter is a polarizing filter.
- [c7] 7. The light source in claim 1, wherein said lighting source is LEDs.

- [c8] 8. The light source in claim 1, wherein said light-guiding means comprises a concave mirror.
- [c9] 9. The light source in claim 8, wherein said concave mirror is a concave mirror with a color of said color region.
- [c10] 10. The light source in claim 8, wherein said light-guiding means further comprises a lens series.
- [c11] 11. The light source in claim 10, wherein said lens series is a lens series with a color of said color region.
- [c12] 12. The light source in claim 1, wherein said light-sensing device is selected from the group consisting of film, CCD, and CMOS.
- [c13] 13. The light source in claim 1, wherein said image capturing apparatus is a CMOS digital camera.
- [c14] 14. A blue light source used for a light-sensing device, comprising:
a lighting source having three color regions of red, green and blue; and
means for guiding a light from said lighting source to an object to capture an image, wherein after said light pass said light-guiding means, an intensity of said blue region of said light is higher than that of said red and green regions.
- [c15] 15. The blue light source in claim 14, wherein said lighting source is composed of a luminary and a blue filter.
- [c16] 16. The blue light source in claim 15, wherein said blue filter is a polarizing filter.

- [c17] 17. The blue light source in claim 14, wherein said lighting source is LEDs.
- [c18] 18. The blue light source in claim 14, wherein a wavelength range of said blue region is 390nm to 500nm.
- [c19] 19. The blue light source in claim 14, wherein said lighting source is mounted on a camera.
- [c20] 20. The blue light source in claim 14, wherein said light-guiding means comprises a concave mirror.
- [c21] 21. The blue light source in claim 20, wherein said concave mirror is a blue concave mirror.
- [c22] 22. The blue light source in claim 20, wherein said light-guiding means further comprises a lens series.
- [c23] 23. The blue light source in claim 22, wherein said lens series is a blue lens series.
- [c24] 24. The blue light source in claim 14, wherein said light-sensing device is selected form the group consisting of film, CCD, and CMOS.1.